



0000161663



RECEIVED

2015 APR 14 P 3:21

ORIGINAL

AZ CORP COMMISSION  
DOCKET CONTROL

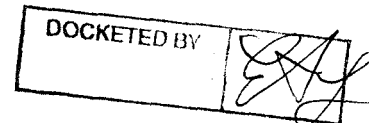
Docket No. E-00000D-15-0001

April 2, 2015

Arizona Corporation Commission  
Utilities Division - Docket Control  
1200 West Washington Street  
Phoenix, Arizona 85007

Arizona Corporation Commission  
**DOCKETED**

APR 14 2015



Subject: Harcuvar Transmission Project (HTP)  
Central Arizona Water Conservation District (CAWCD)  
2015 Annual Ten-Year Transmission Plan Submittal for Docket No. E-00000D-15-0001

**Docket Control:**

Pursuant to A.R.S. §40-360.02 (A) and (C), CAWCD hereby submits their 2015 Ten Year Transmission Plan including Attachment A which describes the associated transmission facilities in detail and Exhibit 1 which illustrates the HTP facilities geographically.

**Configuration of the HTP**

The HTP is proposed to be developed in two distinct phases. Both phases involve close coordination between the EnviroMission La Paz Solar Tower Project (Generation Project) and CAWCD on the revised HTP.

Phase 1 of the HTP will connect the Generation Project's solar wind generators at a new 230 kV substation named EnviroMission (EVMI) to Western Area Power Administration's (Western) existing Bouse 161 kV substation through a phase shifting transformer and transformation to Western's 161 kV service voltage. From EVMI substation, a new double circuit 230 kV line will connect to the proposed California Independent System Operator (CAISO) 500/230 kV substation named Delaney - Colorado River (D-CR), located on the CAISO D-CR 500 kV line. Phase 1 of the HTP is currently scheduled to be in-service in 2020.

In Phase 2 of the HTP the 115 kV ties will be added at Bouse Hills Pumping Plant and Little Harquahala Pumping Plant along with a 30 mile line underbuild on the 230 kV structures. Phase 2 of the HTP in-service is to be determined.

**Planning Activities**

In 2014 and continuing into 2015, the HTP continues to be discussed in the open and transparent HTP group. HTP group participants in 2014 have included: EnviroMission, Arizona

Arizona Corporation Commission  
Utilities Division - Docket Control  
April 1, 2015  
Page Two

Public Service Company, CAWCD, Western, and Salt River Project. Further, HTP has been publicly discussed, and stakeholder input solicited, in multiple transmission planning forums including the Southwest Area Transmission group and WestConnect Annual meetings.

In 2015, HTP will continue status updates and stakeholder inputs from all the above forums.

Please let me know if you have any questions regarding this information.

Si



Id Lunt  
Power Programs Manager

RL:lo  
Attachments

**Attachment A**

**2015 Ten Year Transmission Plan Submitted for Docket No. E-00000D-15-0001**

	<b>HTP – Phase 1</b>
<b>Project Sponsor:</b>	CAWCD
<b>Size:</b>	
(a) Voltage Class	230 kV double circuit
(b) Facility Rating	Approximately 900 MVA
(c) Point of Origin	Western's Bouse Hills 161 kV Substation
(d) Intermediate Points	Proposed EVMI Substation
(e) Point of Termination	CAISO's Proposed D-CR 500 kV Substation
(f) Length	Approximately 65 miles
<b>Routing:</b>	Roughly follows the Central Arizona Project (CAP) canal route.
<b>Purpose:</b>	Provide a collector system for renewable power in the La Paz County area.
<b>Date:</b>	
(g) Construction start	Expected in 3rd quarter of 2017
(h) Estimated In-Service date	Spring 2020 for Phase 1.
<b>Permitting / Siting Status:</b>	In progress
<b>Contact Information:</b>	Reuben Ruiz Email: rruiz@cap-az.com

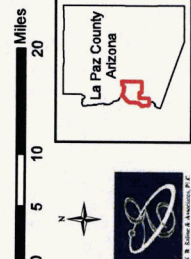
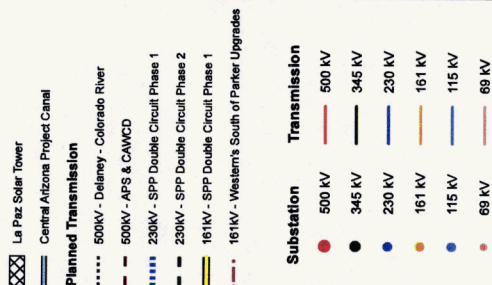
**Attachment A**

**2015 Ten Year Transmission Plan Submitted for Docket No. E-00000D-15-0001**

	<b>HTP – Phase 2</b>
<b>Project Sponsor:</b>	CAWCD
<b>Size:</b>	
(a) Voltage Class	115 kV single circuit
(b) Facility Rating	Approximately 200 MVA
(c) Point of Origin	CAWCD Little Harquahala 115 kV Pumping Plant
(d) Point of Termination	CAWCD Bouse Hills 115 kV Pumping Plant
(e) Length	Approximately 30 miles
<b>Routing</b>	Under build on the Phase 1 double circuit 230 kV circuit with a new normally open 115 kV circuit connected to the D-CR substation.
<b>Purpose</b>	Enhance the reliability for the Central Arizona Project's western system pumping facilities at Bouse Hills and Little Harquahala.
<b>Date:</b>	
f) Construction start	TBD
g) Estimated In-Service date	TBD
<b>Permitting / Siting Status:</b>	On-going
<b>Contact Information:</b>	Reuben Ruiz Email: rruiz@cap-az.com



### South of Parker Project (SPP) Transmission Route



Service Layer Credits:  
Sources: Earl, DeLorme, USGS, NPS  
Southern California Edison ACC  
Project No. E-00000P-08-0570  
RSA T&D Data  
Created 5/21/14 MNP Edited Date Saved: 1/30/2015  
Document Path: M:\2015 GIS\EnviroMission\TIP  
Application\IPV-DV2\_HTP\_South of Parker Project.mxd

